

**AGREEMENT FOR  
ENGINEERING CONSULTING SERVICES  
NACIMIENTO WATER PROJECT ENGINEERING SUPPORT  
AMENDMENT NO. 5**

The SAN LUIS OBISPO FLOOD CONTROL & WATER CONSERVATION DISTRICT (DISTRICT) and T.J. CROSS ENGINEERS, INC. (ENGINEER) hereby agree to amend the following articles of the Agreement for Engineering Consulting Services (AGREEMENT) dated February 8, 2005 as follows:

1. **Scope of Work.** Exhibit A has been revised and is attached hereto.
2. **Time for Completion of Work.** The second sentence of the first paragraph is hereby amended as follows:

“It is understood that ENGINEER’S project engineering services may extend through design, construction, start-up, and operation of the Nacimiento Water Project and that this work authorization is intended to extend to June 30, 2013.”

3. **Payment for Services:** Exhibit B has been revised and is attached hereto. Under Paragraph 3a, “Compensation,” the first sentence of the first paragraph is hereby amended as follows:

“DISTRICT shall pay to ENGINEER as compensation in full for all work required by this Agreement a sum not to exceed \$961,000 as follows:

Agreement dated Feb '05	\$100,000
Amendment No. 1 dated Nov '05	+\$220,000
Amendment No. 2 dated Jul '07	+\$0
Amendment No. 3 dated Sep '07	+\$500,000
Amendment No. 4 dated Dec '11	+106,000
Amendment No. 5 dated Dec '12	+\$35,000

TOTAL AUTHORIZATION = \$961,000”

All provisions of the Contract not affected by this Amendment No. 5 shall remain unchanged and in full force and effect. In the event of any conflict between the provisions of this Amendment No. 5 and the provisions of any lower-numbered amendment, the provisions of this Amendment No. 5 shall prevail.

The effective date of this Amendment No. 5 is the date of its execution.

**ATTEST:**

\_\_\_\_\_  
County Clerk and Ex-Officio Clerk of the  
Board of Supervisors, San Luis Obispo County Flood  
Control and Water Conservation District,  
State of California

Date: \_\_\_\_\_, 2012

**SAN LUIS OBISPO COUNTY FLOOD  
CONTROL AND WATER  
CONSERVATION DISTRICT**

By: \_\_\_\_\_  
Chairperson of the Board  
San Luis Obispo County Flood  
Control and Water Conservation District,  
State of California

Date: \_\_\_\_\_, 2012

**APPROVED AS TO FORM AND LEGAL  
EFFECT:**

RITA NEAL  
County Counsel

By: \_\_\_\_\_  
Deputy County Counsel

Date: 11/28/, 2012

**ENGINEER**

By: \_\_\_\_\_  
Timothy B. Couch

Title: Principal

Date: 12/3, 2012

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Revised Exhibit A  
Scope of Services

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Since August 2004, TJCross Engineers, Inc. has provided project engineering and management services for the Nacimiento Water Project. As requested, TJCross will extend engineering support services for the project into the operations phase, particularly with regard to invasive specie (quagga and zebra mussel) prevention efforts at Lake Nacimiento, as directed by the Utilities Division Manager. The scope of services is hereby amended to include the following activities:

1. Represent the Flood Control District in dialogue with its invasive species prevention partners, Monterey County and Monterey County Water Resources Agency.
2. Provide monthly written update of activities for the Nacimiento Water Project Technical Support Group and Commission.
3. Provide presentations to community groups and other stakeholders.
4. Provide up to two days of Level I training sessions for private ramp volunteers at venues near Lake Nacimiento. Venues assumed to be at public facilities including demonstration boats provided at no direct cost to TJCross. Maintain rosters of trained volunteers, coordinate with Monterey agencies to issue certificates, screener stamps, and training materials.
5. Prepare 2012/13 invasive species prevention program schedule and prepare agenda materials for partner meetings and conference calls pertaining to schedule adherence.
6. Prepare outreach materials in support of invasive species prevention efforts.
7. Sustain dialogue with the 30+ private ramp coordinators around Lake Nacimiento. Distribute program documents to ramp coordinators and inspectors.
8. Prepare written plan for future regional inspection stations to include events leading up to station start-up, timeframe, and estimated program costs.
9. Facilitate transition of primary tasks to District staff by end of contract period.
10. Other services in support of invasive specie prevention at Lake Nacimiento.

The nature of these services is dynamic and is largely dependent upon the number of ramps and volunteers active in the program. For this reason, TJCross proposes to provide these services on a time-and-materials basis in accordance with Exhibit B – Engineer's Rate Schedule.

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Revised Exhibit B  
Engineer's Rate Schedule

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TJCross proposes to provide services on a time-and-materials basis in accordance with the attached rate schedule with hourly rates subject to annual adjustments of up to 4%. The basis for the January 2013 through December 2013 fee estimate is reflected on the attached table.

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## Proposed Work Plan Through June 2013

Weighted labor rate = \$130

TJCross Work Task	Time Period						Subtotals per Work Task
	Oct/Nov <i>7</i>	Dec/Jan <i>9</i>	Feb/Mar <i>8</i>	Apr/May <i>9</i>	Jun '13 <i>4</i>	<i>wks/period</i>	
'12 Year-end summary and report to Naci Commission	2 \$1,820	1.5 \$1,755	\$0	\$0	\$0	avg hrs/wk \$/period at wtd. labor rate	27.5 \$3,575
Develop and implement Level I Screener refresher training	2 \$1,820	1 \$1,170	1 \$1,040	1 \$1,170	\$0		40 \$5,200
Sustain communications with trained volunteer screeners	1 \$910	2 \$2,340	3 \$3,120	5 \$5,850	5 \$2,600		114 \$14,820
Make arrangements for and co-teach Level I screener training sessions (no more than 2 training dates)	\$0	\$0	3 \$3,120	8 \$9,360	\$0		96 \$12,480
Sustain dialogue with private ramps and volunteers for a gradual shift to Flood Control District staff being central point of contact	1 \$910	1 \$1,170	3 \$3,120	3 \$3,510	3 \$1,560		79 \$10,270
Participate in Monterey County / MCWRA calls and meetings	2 \$1,820	2 \$2,340	2 \$2,080	2 \$2,340	2 \$1,040		74 \$9,620
Complete outline of long-term program vision (i.e. regional stations) for group review	4 \$3,640	2 \$2,340	\$0	\$0	\$0		46 \$5,980
Project management, preparation of staff reports, status reports to Naci Commission and others	2 \$1,820	2 \$2,340	2 \$2,080	\$0	\$0		48 \$6,240
<b>Labor Totals =</b>	<b>\$12,740</b>	<b>\$13,455</b>	<b>\$14,560</b>	<b>\$22,230</b>	<b>\$5,200</b>	Other direct costs at 7% <b>Total Fee Est =</b>	<b>\$68,185</b> <b>\$4,773</b> <b>\$73,000</b>

\$68,185

Activities by Flood Control District
Update Vessel Screening Permit, press releases, banding/stamp artwork, private ramp and billboard graphics, private ramp information packets, volunteer screener information packets, and other outreach materials
Sustain private ramp communications incl. attendance at community meetings, response to inquiries, hotline management, etc.
Management and implementation of Resident Vessel Program

**NOTE:**

\$73,000 total estimate includes efforts funded by previously approved Amendment No. 4 compensation (approx. \$38,000 as of date of estimate). The remaining \$35,000 would be funded by Amendment No. 5 approved compensation.





Effective: December 1, 2012

RATE SCHEDULE for the San Luis Obispo County Flood Control and Water Conservation District (Confidential)

Personnel:

	<u>Hourly Rates<sup>(1)</sup></u>	
	<u>Straight-Time</u>	<u>Reg. Over-Time<sup>(2) (3)</sup></u>
Principal / Chief Engineer	\$ 175.00	
Sr. Project Manager / General Manager	\$ 165.00	
Assistant Chief Engineer	\$ 155.00	
Project Manager / Proj. Specialist / Sr. Systems Analyst	\$ 145.00	
Sr. Engineer / Technical Consultant / Sr Programmer	\$ 135.00	
Staff Engineer / Project Engineer / Engineering Specialist	\$ 122.00	
Systems Analyst / Sr. Accountant / Program Engineer	\$ 118.00	
Programmer Analyst / Programmer / Sr. Scheduler	\$ 112.00	
Engineer / Design Leader / Cost Engr.	\$ 112.00	
Construction Manager / Scheduler / Planner / Inspector	\$ 98.00	
Cad Coordinator / Technical Sup. Engineer / Des Specialist	\$ 94.00	
Senior Lead Cad Designer	\$ 110.00	\$ 165.00
Project Design Coordinator	\$ 102.00	\$ 153.00
Senior Designer	\$ 96.00	\$ 144.00
Network Specialist / SCADA Technician	\$ 88.00	\$ 132.00
Instrument Technician / Designer Level I	\$ 88.00	\$ 132.00
Designer Level II	\$ 82.00	\$ 123.00
Drafter	\$ 76.00	\$ 114.00
Engineering Assistant / Project Assistant	\$ 66.00	\$ 99.00
Project Support / Admin Support	\$ 62.00	\$ 93.00
Drafting Tech / Intern	\$ 58.00	\$ 87.00
Clerk / Document Control Tech	\$ 52.00	\$ 78.00

Specialty Consultants:

Lean Enterprise / Six Sigma Consultant	\$ 200.00
Chief / Sr. Structural Engineer (CA licensed SE)	\$ 185.00
Water and Utilities Consultant	\$ 165.00
Sr. Energy Consultant / Sr. Gas Processing Consultant	\$ 155.00
Sr. Engineering Consultant / Corrosion Specialist	\$ 145.00

Reimbursable Expenses:

Photocopies 8-1/2" x 11" & PLC/OIU Program Printouts	\$ 0.15 ea
Photocopies 11" x 17"	\$ 0.24 ea
AutoCAD Reduced B&W Plots (up to 11" x 17")	\$ 3.50 ea
AutoCAD Reduced Color Plots (up to 11" x 17")	\$ 5.00 ea
AutoCAD and Scanned B&W Plots (up to 22" x 34")	\$ 8.50 ea
AutoCAD Color Plots (up to 22" x 34")	\$ 12.00 ea
Company/Employee Automobile	\$ 0.75/mi
Computer (AutoCAD, Programming & Engr. Stations)	\$ 8.00/hr
Thermal Imaging Camera	\$ 20.00/hr
Engineering Simulation Software	
(HYSIM, CAESAR, @RISK, ETAP, etc.)	\$ 25.00/hr
H <sub>2</sub> S Monitor	\$ 16.00/day

Outside Services and Equipment

Actual Cost plus 10%

Air Fare, Car Rental, Lodging, Meals, & Misc Travel Expenses, Reproduction Firms' Charges, Long Distance and Cellular Phone Calls, Express Mail, Outside Consultant Services (Subconsultant), etc.

NOTES:

1. All billing rates include overhead costs and profit. Minimum field call-out is 4 hours.
2. Non-exempt worker straight-time (ST), regular overtime (OT), and double time(DT) wages are paid in accordance with California and Federal Labor Laws. Client ST, OT (ST x 1.5), and DT (ST x 2) billing rates apply when ST, OT, and DT wages are paid, respectively.
3. Exempt worker extra time (i.e. 'overtime') is billed at straight-time billing rates.
4. Invoicing will be accomplished on a weekly basis. Payment terms are net 30 days. A 1.5% monthly (18% annum) carrying charge is owed on all amounts past due.

Bakersfield

T.J. Cross Engineers, Inc. • 200 New Stine Road  
Suite 270 • Bakersfield, CA 93309 • 661-831-8782

Los Angeles

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Ventura

T.J. Cross Engineers, Inc. • 5450 Telegraph Rd  
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